# <u>RAW SEQUENCE LISTING</u>

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: _/0/579,988_

Source: _1 FwP_

Date Processed by STIC: _6/1/06_

# *ENTERED*

IFWP

RAW SEQUENCE LISTING                     DATE: 06/01/2006
PATENT APPLICATION:  US/10/579,988      TIME: 14:22:48

          Input Set : A:\252024 sequence.txt
          Output Set: N:\CRF4\06012006\J579988.raw

   3 <110> APPLICANT: LEONARD, Warren J.
   4        LIPSKY, Peter
   5        MORSE, Herbert C.
   6        ETTINGER, Catherine Rachel
   7        SPOLSKI, Rosanne
   9 <120> TITLE OF INVENTION: METHOD OF INDUCING MEMORY B CELL DEVELOPMENT AND TERMINAL
  10        DIFFERENTIATION
  12 <130> FILE REFERENCE: 252024
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/579,988
...C--> 14 <141> CURRENT FILING DATE: 2006-05-19
  14 <150> PRIOR APPLICATION NUMBER: PCT/US04/39135
  15 <151> PRIOR FILING DATE: 2004-11-18
  17 <150> PRIOR APPLICATION NUMBER: 60/523,754
  18 <151> PRIOR FILING DATE: 2003-11-19
  20 <160> NUMBER OF SEQ ID NOS: 16
  22 <170> SOFTWARE: PatentIn version 3.3
  24 <210> SEQ ID NO: 1
  25 <211> LENGTH: 160
  26 <212> TYPE: PRT
  27 <213> ORGANISM: Homo sapiens
  29 <400> SEQUENCE: 1
  31 Met Arg Ser Ser Pro Gly Asn Met Glu Arg Ile Val Ile Cys Leu Met
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  35 Val Ile Phe Leu Gly Thr Leu Val His Lys Ser Ser Ser Gln Gly Gln
  36             20                  25                  30
  39 Asp Arg His Met Ile Arg Met Arg Gln Leu Ile Asp Ile Val Asp Gln
  40         35                  40                  45
  43 Leu Lys Asn Tyr Val Asn Asp Leu Val Pro Glu Phe Leu Pro Ala Pro
  44      50                  55                  60
  47 Glu Asp Val Glu Thr Asn Cys Glu Trp Ser Ala Phe Ser Cys Phe Gln
  48 65                  70                  75                  80
  51 Lys Ala Gln Leu Lys Ser Ala Asn Thr Gly Asn Asn Glu Arg Ile Ile
  52              85                  90                  95
  55 Asn Val Ser Ile Lys Lys Leu Lys Arg Lys Pro Pro Ser Thr Asn Ala
  56              100                 105                 110
  59 Gly Arg Arg Gln Lys His Arg Leu Thr Cys Pro Ser Cys Asp Ser Tyr
  60         115                 120                 125
  63 Glu Lys Lys Pro Pro Lys Glu Phe Leu Glu Arg Phe Lys Ser Leu Leu
  64      130                 135                 140
  67 Gln Lys Met Ile His Gln His Leu Ser Ser Arg Thr His Gly Ser Glu
  68 145                 150                 155                 160
  71 <210> SEQ ID NO: 2
  72 <211> LENGTH: 146

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 74 <213> ORGANISM: Mus musculus
 76 <400> SEQUENCE: 2
 78 Met Glu Arg Thr Leu Val Cys Leu Val Val Ile Phe Leu Gly Thr Val
 79 1               5                   10                  15
 82 Ala His Lys Ser Ser Pro Gln Gly Pro Asp Arg Leu Leu Ile Arg Leu
 83             20                  25                  30
 86 Arg His Leu Ile Asp Ile Val Glu Gln Leu Lys Ile Tyr Glu Asn Asp
 87             35                  40                  45
 90 Leu Asp Pro Glu Leu Leu Ser Ala Pro Gln Asp Val Lys Gly His Cys
 91     50                  55                  60
 94 Glu His Ala Ala Phe Ala Cys Phe Gln Lys Ala Lys Leu Lys Pro Ser
 95 65                  70                  75                  80
 98 Asn Pro Gly Asn Asn Lys Thr Phe Ile Ile Asp Leu Val Ala Gln Leu
 99                 85                  90                  95
102 Arg Arg Arg Leu Pro Ala Arg Arg Gly Gly Lys Lys Gln Lys His Ile
103             100                 105                 110
106 Ala Lys Cys Pro Ser Cys Asp Ser Tyr Glu Lys Arg Thr Pro Lys Glu
107             115                 120                 125
110 Phe Leu Glu Arg Leu Lys Trp Leu Leu Gln Lys Met Ile His Gln His
111     130                 135                 140
114 Leu Ser
115 145
118 <210> SEQ ID NO: 3
119 <211> LENGTH: 30
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial
123 <220> FEATURE:
124 <223> OTHER INFORMATION: oligonucleotide probe/primer
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131 <211> LENGTH: 20
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial
135 <220> FEATURE:
136 <223> OTHER INFORMATION: oligonucleotide probe/primer
138 <400> SEQUENCE: 4
139 gaaaattcct agaaagcata                                         20
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143 <211> LENGTH: 22
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial
147 <220> FEATURE:
148 <223> OTHER INFORMATION: oligonucleotide probe/primer
150 <400> SEQUENCE: 5
151 acagaggccg agtttgaaga ga                                      22
154 <210> SEQ ID NO: 6
155 <211> LENGTH: 19
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157 <213> ORGANISM: Artificial
159 <220> FEATURE:
160 <223> OTHER INFORMATION: oligonucleotide probe/primer
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167 <211> LENGTH: 19
168 <212> TYPE: DNA
169 <213> ORGANISM: Artificial
171 <220> FEATURE:
172 <223> OTHER INFORMATION: oligonucleotide probe/primer
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175 ccctgggatt ccggcgctg                                           19
178 <210> SEQ ID NO: 8
179 <211> LENGTH: 21
180 <212> TYPE: DNA
181 <213> ORGANISM: Artificial
183 <220> FEATURE:
184 <223> OTHER INFORMATION: oligonucleotide probe/primer
186 <400> SEQUENCE: 8
187 aaacgcaaga gggatgaagg t                                        21
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191 <211> LENGTH: 19
192 <212> TYPE: DNA
193 <213> ORGANISM: Artificial
195 <220> FEATURE:
196 <223> OTHER INFORMATION: oligonucleotide probe/primer
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203 <211> LENGTH: 21
204 <212> TYPE: DNA
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207 <220> FEATURE:
208 <223> OTHER INFORMATION: oligonucleotide probe/primer
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215 <211> LENGTH: 26
216 <212> TYPE: DNA
217 <213> ORGANISM: Artificial
219 <220> FEATURE:
220 <223> OTHER INFORMATION: oligonucleotide probe/primer
222 <400> SEQUENCE: 11
223 tcagagtatt cggattctag ctgtga                                   26
226 <210> SEQ ID NO: 12
227 <211> LENGTH: 18
228 <212> TYPE: DNA
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239 <211> LENGTH: 27
240 <212> TYPE: DNA
241 <213> ORGANISM: Artificial
243 <220> FEATURE:
244 <223> OTHER INFORMATION: oligonucleotide probe/primer
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251 <211> LENGTH: 20
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253 <213> ORGANISM: Artificial
255 <220> FEATURE:
256 <223> OTHER INFORMATION: oligonucleotide probe/primer
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262 <210> SEQ ID NO: 15
263 <211> LENGTH: 20
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial
267 <220> FEATURE:
268 <223> OTHER INFORMATION: oligonucleotide probe/primer
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274 <210> SEQ ID NO: 16
275 <211> LENGTH: 26
276 <212> TYPE: DNA
277 <213> ORGANISM: Artificial
279 <220> FEATURE:
280 <223> OTHER INFORMATION: oligonucleotide probe/primer
282 <400> SEQUENCE: 16
283 tgcatcctgc accaccaact gcttag                                       26
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**RAW SEQUENCE LISTING ERROR SUMMARY**      DATE: 06/01/2006
PATENT APPLICATION:  **US/10/579,988**      TIME: 14:22:49

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**Invalid <213> Response:**
**Use of "Artificial" only as "<213> Organism" response is incomplete,**
**per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.**

Seq#:3,4,5,6,7,8,9,10,11,12,13,14,15,16

**VERIFICATION SUMMARY**                    DATE: 06/01/2006
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L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date